Amendments to the Claims:

This listing of the claims will replace all prior versions and listings of the claims in the application:

Listing of Claims:

1.   (Currently Amended) A method for modifying a sound reproduction of a music file according to a transmission characteristic of a loudspeaker of a mobile terminal of a wireless communication system, the method comprising:

identifying audio data in the music file which represent a sound with a spectral component below a transmission frequency range of the loudspeaker; and

modifying a sound reproduction of the identified audio data such that the modified sound reproduction yields a sound spectrum having an increased energy content within the transmission frequency range of the loudspeaker as compared to a sound spectrum of an unmodified sound reproduction,

wherein the music file is a music score file, and wherein the modified sound reproduction is based on replacing a specification provided in the music score file for an instrument used to reproduce sound from the identified audio data with a substitute specification of an instrument with brighter timbre.

2.   (Previously Presented) A method according to claim 1, wherein the instrument of the substitute specification belongs to a same category of instruments as the instrument of the specification provided in the music file.

3.   (Previously Presented) A method according to claim 1, wherein more than one substitute specification is available, and wherein a particular substitute specification is selected based on a register in which the instrument of the specification provided in the music file is to be replayed.

4.   (Currently Amended) A method for modifying a sound reproduction of a music file according to a transmission characteristic of a loudspeaker of a mobile terminal of a wireless communication system, the method comprising:

identifying audio data in the music file which represent a sound with a spectral component below a transmission frequency range of the loudspeaker; and

modifying a sound reproduction of the identified audio data such that the modified sound reproduction yields a sound spectrum having an increased energy content within the transmission frequency range of the loudspeaker as compared to a sound spectrum of ~~y~~ an unmodified sound reproduction,

wherein the music file is a music score file, and wherein the modified sound reproduction is based on a transposition of frequency data in the music <u>score</u> file to a higher frequency range.

5.   (Previously Presented) A method according to claim 4, wherein the transposition shifts the sound spectrum of the modified sound reproduction such that the lower end of the sound spectrum of the modified sound reproduction is located within the transmission frequency range of the loudspeaker.

6.   (Previously Presented) A method according to claim 5, wherein a main energy content of the sound spectrum of the modified sound reproduction is located within a frequency range from about 5 kHz to about 10 kHz.

7.   (Previously Presented) A method according to claim 4, wherein the modified sound reproduction is based on a modified parameter file.

8.   (Previously Presented) A method according to claim 4, wherein the modified sound reproduction is based on a modified FM-spectra file.

9.   (Previously Presented) A method according claim 4, wherein a format of the music file corresponds to a MIDI data file format.

10.   (Currently Amended) An apparatus for rendering sampled data from a music file according to a transmission characteristic of a loudspeaker of a mobile terminal of a wireless communication system, the apparatus comprising:

storage means for storing the music file and data related to transmission characteristics of one or more loudspeakers,

selection means for selecting data for a particular loudspeaker from the storage means,

low frequency sound identification means for identifying audio data in the music file which represent a sound with a spectral component below a transmission frequency range of the particular loudspeaker corresponding to the selected data,

control means for controlling a modification of a sound reproduction from the identified audio data such that the modified sound reproduction yields a sound spectrum having an increased energy content within the transmission frequency range of the particular loudspeaker as compared to a sound spectrum of an unmodified sound reproduction; and

synthesizing means for synthesizing sampled data from a modified music file,

wherein the music file is a music score file, and wherein the control means modifies the music score file to provide the modified music file by replacing a specification of an instrument provided in the music score file for the identified audio data with a substitute specification of an instrument having brighter timbre and/or by transposing frequency data in the music score file to a higher frequency range.

11.   (Previously Presented) An apparatus according to claim 10, wherein the control means is configured to store modified audio data representing the modified sound reproduction in a music file in the storage means of the apparatus.

. 12.   (Previously Presented) An apparatus according to claim 10, wherein the control means is configured to modify the sound reproduction at a time a respective music file is replayed via the loudspeaker.

13.   (Currently Amended) A mobile terminal for use with a wireless communication system and configured to reproduce audio data from a music file, the mobile terminal comprising:

an apparatus according to claim 10 configured to render sampled data from the music score file;

a transformation means configured to transform the sampled data obtained from the apparatus into an analog electrical signal; and

a loudspeaker configured to convert the analog electrical signal into a sound signal.

14.   (Currently Amended) A computer program product for modifying a sound reproduction of a music file according to a transmission characteristic of a loudspeaker of a mobile terminal of a wireless communication system, the computer program product comprising:

a <u>non-transitory</u> computer readable storage medium having computer readable program code embodied therein that is configured to be processed by a data processing means of the mobile terminal to carry out a method according to claim 1.

15.   (New) A method according to claim 4, wherein the modified sound reproduction is based on a transposition of an entirety of the frequency data in the music score file to a higher frequency range.

16.   (New) An apparatus according to claim 10, wherein the control means modifies the music score file to provide the modified music file by transposing an entirety of the frequency data in the music score file to a higher frequency range.